Application No. 09/656,915 Amendment dated March 13, 2006 Response to Office Action of September 14, 2005

## **CLAIMS**

This listing of claims will replace all prior versions, and listings, of claims in the application:

- 1 30 (CANCELED)
- 32. (PREVIOUSLY PRESENTED) The method of claim 58, wherein human N-kinase is recombinantly produced.
- 33. (CURRENTLY AMENDED) An *in vitro* method of identifying a compound that increases or decreases N-kinase dependent phosphorylation of a substrate comprising contacting N-kinase with a test compound and determining the ability of the test compound to increase or decrease N-kinase dependent phosphorylation of the substrate, wherein the N-kinase is bovine N-kinase. a compound that stimulates or inhibits axonal growth of a central nervous system neuron by increasing or decreasing bovine N-kinase dependent phosphorylation of a substrate comprising the steps of:
  - a) contacting bovine N-kinase with a test compound;
  - b) selecting a test compound that increases or decreases bovine N-kinase dependent phosphorylation of a substrate;
  - c) contacting a central nervous system neuron, in vitro, with said selected test compound; and
  - d) identifying a compound that stimulates or inhibits axonal outgrowth of the central nervous system neuron.
- 34. (CANCELED)
- 35. (CANCELED)
- 36. (PREVIOUSLY PRESENTED) The method of claim 58, wherein the test compound decreases human N-kinase dependent phosphorylation of the substrate.
- 37. (PREVIOUSLY PRESENTED) The method of claim 58, wherein the test compound increases human N-kinase dependent phosphorylation of the substrate.
- 38 57 (CANCELED)
- 58. (PREVIOUSLY PRESENTED) An *in vitro* method of identifying a compound that stimulates or inhibits axonal growth of a central nervous system neuron by increasing or decreasing human N-kinase dependent phosphorylation of a substrate comprising the steps of:
  - a) contacting human N-kinase with a test compound;
  - b) selecting a test compound that increases or decreases N-kinase dependent

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phosphorylation of a substrate;

- c) contacting a central nervous system neuron, *in vitro*, with said selected test compound; and
- d) identifying a compound that stimulates or inhibits axonal outgrowth of the central nervous system neuron.

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